

### **EXHIBIT 3**

**Site Investigation and Monitoring at 7-Eleven #13917 (3645 E. Olive Ave.), Tosco #30587 (1610 N. Palm Ave.), Valley Gas (2139 South Elm), and Beacon-Arco #615 (1625 Chestnut Ave.)**

- Memorandum from Ray Bruun, Assoc. Eng'r, RWQCB, to John Noonan, Senior Eng'r, RWQCB (Aug. 5, 1998) (RWQCB-FRESNO-021554-21557) (7-Eleven #13917);
- Letter from J. Whitler & J. Auchterlonie, Fluor Daniel GTI, Inc., to Ray Bruun, RWQCB (June 27, 1997) (RWQCB-FRESNO-021558) (7-Eleven #13917);
- Pacific Env'tl. Group, Inc., Soil Gas Survey Results, Unocal Service Station 3922 (Oct. 29, 1997) (FCDEH-FRESNO-029840-29847) (Tosco #30587);
- Glenn L. Matteucci, Asst. Project Manager, Env'tl. Resolutions, Inc., Underground Storage Tank and Associated Piping and Dispenser Removal at Tosco 76 Service Station 3922 (Oct. 13, 1998) (FCDEH-FRESNO-030032-114) (Tosco #30587);
- ASR Eng'g, Inc., Soil Sampling and Chemical Analyses Report, Gasoline Piping Leak, Valley Gas (Nov. 29, 1999) (RWQCB-FRESNO-001258-1264);
- Letter from John D. Whiting, Eng'g Geologist, RWQCB, to M. Shahid, Petro Group II (Feb. 27, 2008) (RWQCB-FRESNO-001318-1320) (Valley Gas); and
- El Dorado Env'tl., Inc., Tank Closure Report Beacon Station #615, at 3, RWQCB-FRESNO-016188 (Sept. 27, 1998) (RWQCB-FRESNO-016182-16229).



Peter M. Rooney  
Secretary for  
Environmental  
Protection

## California Regional Water Quality Control Board Central Valley Region

Fresno Branch Office  
Internet Address: <http://www.swrcb.ca.gov/~rwqcb5/home.html>  
3614 East Ashlan Avenue, Fresno, California 93726  
Phone (209) 445-5116 • FAX (209) 445-5910



Ed J. Schnabel  
Chair

TO: John Noonan  
Senior Engineer

FROM: Ray Bruun  
Associate Engineer

DATE: 5 August 1998

SIGNATURE:

SUBJECT: **CLOSURE SUMMARY FOR 7-ELEVEN SITE NO. 13917, 3645 EAST OLIVE AVENUE, FRESNO, FRESNO COUNTY**

### Background

**UST Removal** - Three USTs were removed from the site in March 1992. These included two 10,000-gallon and one 5,000-gallon gasoline tanks, a dispenser island, and related piping. The dispenser island was situated above the tanks. Testing of soil samples taken from beneath the tanks resulted in gasoline concentrations (as TPH-g) from nondetect to 3,500 mg/kg. After the tanks were removed, the tank pit was filled with stockpiled soils and imported clean fill.

**Soil Investigation** - In October of 1992, six soil borings were drilled in the vicinity of the tank pit; three of them were converted to soil vapor extraction wells. Selected soil samples were tested in the laboratory for TPH-g and BTEX. A few of those were also tested for total lead. Two borings, VW-1 and B-1 encountered significant gasoline impacts even to depth. Test results for TPH-g, BTEX, and lead in VW-1 and B-1 are given in the table below.

Table 1 - Soil Test Results for B-1 and VW-1

Boring	Sample Depth, ft	TPH-g mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Total Xylenes mg/kg	Total Lead mg/kg
B-1	16	ND	ND	ND	ND	ND	NA
	31	ND	ND	ND	ND	ND	0.51 <sup>a</sup>
	46	17	2	2.8	0.22	1.4	NA
	51	27,000	210	1,800	480	3,000	NA
	56	230	2.4	12	3.9	18	NA
VW-1	16	16,000	60	540	200	1,900	8 <sup>a</sup>
	31	5,400	ND	160	94	730	NA
	41	33,000	170	2,000	850	5,500	NA
	56	1,000	9.5	68	22	140	NA
	71	13	1.1	1.4	0.2	1.4	NA
	81	3.9	0.5	0.24	0.13	0.92	NA
	86	ND	0.02	ND	ND	0.05	NA

<sup>a</sup> Well within background variability

Significant contamination extended to at least 56 feet below the ground surface (bgs). A soil vapor

*California Environmental Protection Agency*



RWQCB-FRESNO-021554



FLUOR DANIEL OTI

**TABLE 1A**  
**Historical Groundwater Monitoring and Analytical Data**

Southland Site No. 15917  
 2945 East Olive Avenue  
 Fresno, California

Well	Date	Depth	Flow	Temp	pH	DO	EC	Chloride	Sulfate	Ammonia	Nitrate	Iron	Copper	Zinc	Lead	Cadmium	Chromium	Barium	Selenium	Fluoride	Other
MW-1	04/24/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	05/15/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	06/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	07/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	08/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	09/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	10/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	11/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	12/04/03	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	01/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MW-2	02/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	03/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	04/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	05/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	06/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	07/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	08/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	09/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	10/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	11/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MW-3	12/05/04	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	01/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	02/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	03/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	04/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	05/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	06/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	07/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	08/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	09/06/05	11	1.00	12.0	7.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Page 1 of 2





June 27, 1997

Mr. Ray Bruun  
California Regional Water Quality Control Board  
Central Valley Region  
3614 East Ashlan Avenue  
Fresno, CA 93726

Subject: Status of Corrective Action Implementation and  
Request for Extension  
Southland Store No. 13917  
3645 E. Olive Avenue  
Fresno, California  
Fluor Daniel GTI Project 02070 0431

Dear Mr. Bruun:

Fluor Daniel GTI, Inc. (Fluor Daniel GTI) submits this letter, on behalf of The Southland Corporation (Southland) to provide an update on activities associated with the installation and operation of a soil vapor extraction (SVE) system at the above referenced site. In the California Regional Water Quality Control Board - Central Valley Region (CRWQCB-CVR) letter dated January 6, 1997, the CRWQCB-CVR requested that a report detailing system installation and startup be submitted by March 7, 1997.


System construction was started the week of March 10, 1997 after delays in obtaining a building permit from the City of Fresno. The initial phase of construction was finished on March 14, 1997. Though scheduled in advance, PG&E was unable to bring new electric and gas service to the site until the week of June 2, 1997. The final phases of system installation are currently being conducted. Fluor Daniel GTI, on behalf of Southland, respectfully requests that the deadline for the system installation and startup report be extended until August 22, 1997. An August 22 deadline will provide sufficient time for scheduling startup with the air board, system shakedown activities, analysis of initial air samples, and report preparation.

Please contact our West Sacramento office at 916-372-4700 if you have questions or comments about this work plan.

Sincerely,  
Fluor Daniel GTI, Inc.  
Submitted by:

  
John Whittier  
Hydrogeologist

Fluor Daniel GTI, Inc.  
Approved by:

  
Jeff Auchterlonie  
Lead Geologist  
Project Manager

c: Mr. Bob DeNinno, Southland

request01 ltr(Sthl-32)

757 Arnold Drive, Suite D / Martinez, CA 94553 USA (510) 370-3990 FAX (510) 370-3991

RWQCB-FRESNO-021558

FA0170437

PR0032609

PZ 4398

RP

### **Soil Gas Survey Results**

**UNOCAL Service Station 3922  
1610 N Palm Ave  
Fresno, California**

**RECEIVED**

**JAN 27 1998**

Environmental Health System

Prepared for  
**Tosco Marketing Company**  
October 29, 1997

Prepared by  
**Pacific Environmental Group, Inc.**  
2025 Gateway Place, Suite 440  
San Jose, California 95110

Project 311-163.1A



**PACIFIC  
ENVIRONMENTAL  
GROUP INC.**

**SOIL GAS SAMPLE ANALYSIS REPORT****TOSCO BASELINE SOIL GAS SURVEY**Site Number: 3922Date Sampled: 9/20/97Date(s) Analyzed: 9/23/97City / State: Fresno / CA

Analytical Results From Sequoia Analytical										
Reporting Units: µg/L										
#	Sample ID	TPH - Gas	Benzene	Toluene	Ethyl Benzene	Total Xylenes	GC MTBE	GC/MS MTBE	% RECOVERY GC Surrogate	
1	T - 1	5000	95	57	17	310	2500	2000	150	
2	T - 2	31	<0.50	<0.50	<0.50	0.83	11	--	136	
3	D - 1	<10	<0.50	<0.50	<0.50	0.89	<2.5	--	82	
4	D - 2	<10	<0.50	<0.50	<0.50	0.88	<2.5	--	86	
5	D - 3	11	<0.50	<0.50	<0.50	1.5	<2.5	--	87	
6	P - 1	13	<0.50	<0.50	<0.50	1.7	<2.5	--	90	
7	P - 2	19	<0.50	<0.50	0.70	3.5	<2.5	--	93	
8	P - 3	17	<0.50	<0.60	<0.60	1.8	<2.5	--	95	
9	PD - 3	700	19	41	3.7	18	320	--	123	
	Method Blank	<10	<0.50	<0.50	<0.50	<0.50	<2.5	--	93	

(415) 364-9600  
 (510) 988-9600  
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 (916) 921-9500

Redwood City, CA 94063  
 Walnut Creek, CA 94598  
 Sacramento, CA 95834

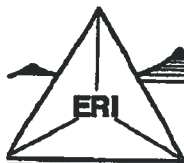
680 Chesapeake Drive  
 404 N. Wright Lane  
 819 Sutter Avenue, Suite 8

**Sequoia Analytical**



SEQUOIA ANALYTICAL, #1271

*[Signature]*  
 Alan B. Kemp  
 Laboratory Director



**ENVIRONMENTAL RESOLUTIONS, INC.**

## TRANSMITTAL

TO: Ms. Lisa Smoot, R.E.H.S.  
County of Fresno Health Services Agency  
P.O. Box 11867  
Fresno, California 93775

DATE: October 15, 1998  
PROJECT NUMBER: 232032T2  
SUBJECT: Tosco 76 Service Station 3922,  
1610 Palm Avenue, Fresno, California.

FROM: Glenn L. Matteucci  
TITLE: Assistant Project Manager

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	October 13, 1998	Underground Storage Tank and Associated Piping and Removal Report

THESE ARE TRANSMITTED as checked below:

<input type="checkbox"/> For review and comment	<input type="checkbox"/> Approved as submitted	<input type="checkbox"/> Resubmit ___ copies for approval
<input checked="" type="checkbox"/> As requested	<input type="checkbox"/> Approved as noted	<input type="checkbox"/> Submit ___ copies for distribution
<input type="checkbox"/> For approval	<input type="checkbox"/> Return for corrections	<input type="checkbox"/> Return ___ corrected prints
<input checked="" type="checkbox"/> For your files	<input type="checkbox"/> For distribution to regulatory agencies	

REMARKS: At the request of Tosco Marketing Company, ERI is forwarding 1 copies of the above referenced report. Please call me at (415) 392-5994 with any questions regarding the information on this report.

  
Glenn L. Matteucci, Assistant Project Manager

cc: Ed Ralston, Tosco Marketing Company  
1 to ERI project file 232032T2

**RECEIVED**

**OCT 19 1998**

DEPARTMENT OF COMMUNITY HEALTH  
ENVIRONMENTAL HEALTH SYSTEM

74 Digital Drive, Suite 6, Novato, California 94949 415-382-9105 (FAX 415-382-1856)  
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FCDEH-FRESNO-030032

**TABULARY 1**  
**RESULTS OF ANALYSIS OF SOIL SAMPLES**  
 Tosco (Union) 76 Service Station 3972  
 1610 Palm Avenue  
 Fresno, California  
 (Page 2 of 3)

Sample ID #	Sampling Date	Depth Feet	TEPHd	TPPHg	B	T	E	X	MTBE	TRPH	HVOCs	SVOCs	Total Lead
8-4-5-PL2	5/28/98	4.5	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
8-4-5-PL3	5/28/98	4.5	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
8-4-5-PL4	5/28/98	4.5	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
8-4-5-PL5	5/28/98	4.5	NA	ND	ND	ND	ND	ND	0.30	NA	NA	NA	NA
8-20-B5	6/8/98	20	NA	6	ND	0.0055	ND	0.032	0.45	NA	NA	NA	NA
<b>SOIL - STOCKPILE</b>													
SP-1-(1-4)	6/2/98	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	9.3
SP-2-(1-4)	6/2/98	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	5.4
SP-3-(1-4)	6/2/98	NA	23	ND	ND	ND	ND	ND	NA	30	ND	ND	9.1
SP-4-(1-4)	6/2/98	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	16
SP-5-(1-4)	6/8/98	NA	NA	ND	ND	0.011	ND	0.013	NA	NA	NA	NA	ND
SP-6-(1-4)	6/8/98	NA	NA	4100	21	140	59	340	NA	NA	NA	NA	5.3

**Notes:**

All soil results reported in parts per milligram (ppm) unless otherwise noted.

Depth Sample depth below ground surface  
 TPHg Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified)  
 TEPHd Total extractable petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified)  
 BTEX Benzene, Toluene, Ethylbenzene, and total Xylenes analyzed using EPA method 8020  
 MTBE Methyl tertiary butyl ether analyzed using EPA method 8020  
 TRPH Total recoverable petroleum hydrocarbons analyzed using EPA method 5520 E&F.



# ASR Engineering, Inc.

GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION TESTING

RECEIVED

DEC 27 1999

November 29, 1999

Job No. 17-99068

Mr. Jack Mendrin  
West Star Environmental Inc.  
4688 W. Jennifer, Suite 101  
Fresno, CA 93722

Subject: Soil Sampling and Chemical Analyses Report  
Gasoline Piping Leak  
Valley Gas  
2139 S. Elm Avenue,  
Fresno, California

Dear Mr. Mendrin:

At your request, ASR Engineering, Inc. (ASR) has prepared this Report of Soil Sampling and Chemical Analyses for leaking underground pipeline within the Valley Gas located at 2139 S. Elm Avenue in Fresno, California.

## SCOPE OF SERVICES

The scope of services provided by ASR included:

- > Collecting a confirmation soil sample from beneath the leaking pipeline.
- > Submitting the collected soil samples to a State Certified analytical laboratory for chemical analyses.
- > Preparing this report.

331 West Cromwell Avenue, Suite 106 • Fresno, CA 93711 • (559) 432-7373 • Fax (559) 432-7333

267723

RWQCB-FRESNO-00125

Job No. 17-99068  
November 29, 1999  
Page 3

Sampling personnel were responsible for the protection and custody of the sample until it was relinquished. When sample custody was transferred, the respective individuals relinquishing and receiving the sample signed, dated, and recorded the time on the chain-of-custody form.

#### LABORATORY ANALYSES

As recommended by Mr. Yee, the collected soil sample was analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G), Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), and Methyl-t-butyl Ether (MTBE). Chemical analysis data are attached to this report. A summary of the analysis data is presented in Table 1. The data indicate that high concentrations of gasoline hydrocarbon constituents were detected in the collected soil sample.

Sample Designation	B	E	T	X	TPH-G	MTBE
S-1, PL @ 5'	130	390	260	380	31000	920

Results in mg/Kg or parts per million (ppm)

B= Benzene  
T= Toluene  
E= Ethylbenzene  
X= Total Xylene  
MTBE= Methyl-t-Butyl Ether  
TPH-G= Total Petroleum Hydrocarbons as Gasoline  
ND= None Detected

#### LIMITATIONS

This report has been prepared in accordance with the generally accepted standards of environmental practice in the area at the time the soil sample was collected. No soil engineering or environmental implications are stated or should be inferred. Evaluation of the conditions at the site is made from a limited sampling points. Subsurface conditions may vary away from the sampling locations. This report does not reflect variation away from the sampling points.

ASR Engineering, Inc.

RWQCB-FRESNO-00126



Linda S. Adams  
Secretary for  
Environmental  
Protection

**California Regional Water Quality Control Board  
Central Valley Region**

Karl E. Longley, ScD, PE, Chair

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<http://www.waterboards.ca.gov/centralvalley>



Arnold  
Schwarzenegger  
Governor

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FILE

27 February 2008

Regional Board Case No. 5T10000773

Mr. Mohammad Shahid  
Petro Group II  
37074 Mount Vernon Avenue  
Fremont, California 94538

**UNDERGROUND STORAGE TANK RELEASE, VALLEY GAS, 2139 SOUTH ELM AVENUE,  
FRESNO, FRESNO COUNTY**

The Fresno County Department Of Community Health, Environmental Health Division, in a letter dated 30 January 2008, referred the subject site to this office for regulatory oversight in relation to a release of petroleum hydrocarbons from the former underground storage tank (UST) system. The documents submitted indicate that petroleum hydrocarbons were detected beneath product piping during investigation conducted during November 1999. Total petroleum hydrocarbons referenced to gasoline (TPH-g), benzene, and methyl tertiary butyl ether (MTBE) were detected at 31,000, 130, and 920 milligrams per kilogram (mg/kg), respectively. TPH-g and MTBE up to 8,022 and 164 mg/kg, respectively, were also detected beneath several fuel dispensers during an investigation during March 2004 and TPH-g and MTBE up to 3,800 and 27 mg/kg, respectively, were detected beneath dispensers and piping during February 2007. An unauthorized release from the former UST system has occurred and the extent of impacted soil is undefined.

Health and Safety Code Section 25296.10(a) states:

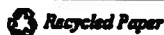
*"Each owner, operator, or other responsible party shall take corrective action in response to an unauthorized release in compliance with this chapter and the regulations adopted pursuant to Section 25299.3."*

Health and Safety Code Section 25296.10(c)(1) states:

*"When a local agency, the board, or a regional board requires an owner, operator, or other responsible party to undertake corrective action, including preliminary site assessment and investigation pursuant to an oral or written order, directive, notification, or approval issued pursuant to this section, or pursuant to a cleanup and abatement order or other oral or written directive issued pursuant to Division 7 (commencing with Section 13000) of the Water Code, the owner, operator, or other responsible party shall prepare a work plan that details the corrective action the owner, operator, or other responsible party shall take..."*

You are hereby notified that you need to submit a workplan as described in the Health and Safety Code. You are to submit a workplan to assess the extent of the release by 30 June 2008. The workplan, in general, must comply with Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank

California Environmental Protection Agency



RWQCB-FRESNO-001318

**TANK CLOSURE REPORT  
BEACON STATION #615**

**1625 CHESTNUT AVENUE  
FRESNO, CALIFORNIA  
EDE PROJECT NO. U085.01**

**September 27, 1998**

Prepared by:

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**RECEIVED**

**OCT 09 1998**

DEPARTMENT OF COMMUNITY HEALTH  
ENVIRONMENTAL HEALTH SYSTEM

PREPARED BY:

*Dale A. van Dam*

Dale A. van Dam, R.G.  
Hydrogeologist

Date: 9/27/98



El Dorado Environmental, Inc.

RWQCB-FRESNO-016183



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On June 11, 1998, Doulos also collected two discrete soil samples from the area of the new UST basin, near the northwest corner of the property. Both of these soil samples were collected at depths of 16 feet below grade. These samples were submitted for analysis of TPHg, BTEX, and MTBE. Results are compiled in Table 1. Copies of certified analytical reports are contained in Appendix B.

Soil samples were collected below the product piping and product dispensers at locations indicated on Figure 4. Depth of sample collection ranged from 4 to 5 feet below grade. Samples collected from beneath product piping and dispensers were also analyzed for TPHg, TPHd (selected samples only), MTBE, and BTEX. Results are compiled in Table 1. Copies of certified analytical reports are contained in Appendix B.

Soil samples collected from the bottom of the UST basin beneath the 6,000-gallon-capacity UST did not contain detectable concentrations of TPHg, TPHd, MTBE, or BTEX. MTBE was the only petroleum constituent detected in the soil sample collected from beneath the east end of the southernmost 12,000-gallon-capacity UST at a concentration of 0.011 milligrams per Kilogram (mg/Kg). TPHg was reported at concentrations of 4.6, 2.9, and 2.8 mg/Kg in samples collected at 16 and 20 feet below grade beneath the east end of the middle 12,000-gallon-capacity UST and the west end of the northernmost 12,000-gallon-capacity UST, respectively. TPHg was also detected at a concentration of 57 mg/Kg in a soil sample collected at a depth of 21 feet below grade at a location 12 feet north of the northernmost 12,000-gallon-capacity UST. Benzene was not detected in any soil sample at a concentration exceeding 1 mg/Kg. MTBE was reported at concentrations ranging from 0.011 to 81 mg/Kg.

TPHg was detected in nine of the twelve dispenser/line soil samples, at concentrations ranging from 87 to 5,600 mg/Kg. The highest concentrations of TPHg were detected in soil samples collected from near the northeast corner of the dispenser area, at locations D-2 and L-3. TPHd was detected in dispenser samples D-3 and D-4 (collected near the center of the canopy/dispenser area) at concentrations ranging from 2,000 to 12,000 mg/Kg. Benzene was present in dispenser and line samples at concentrations ranging from 0.26 to 26 mg/Kg.

### **3.0 STOCKPILED SOIL**

A total of approximately 1,000 cubic yards of soil were generated during removal of the USTs. The soil was temporarily stockpiled on site at locations indicated on Figure 5. On June 10, 1998, Doulos collected four samples for each 50 cubic yards of the balance of the stockpiled soil and submitted the samples to Kiff for compositing and analysis of TPHg, TPHd, BTEX and MTBE. One of the composite samples was also analyzed for VOCs using EPA Standard Method 8260B.

TPHg was detected in each of the composite soil samples at concentrations ranging from 4.0 to 2,500 mg/Kg; TPHd was present in 9 of the 10 composite soil samples at concentrations ranging from 3.7 to 3,200 mg/Kg. Benzene was detected in stockpiled soil samples ranging from <0.0050 to 16

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Table 1. Soil Sample Analytical Results, June 10 and 11, 1998  
UST Basin, Product Line Piping, and Dispensers,  
Beacon Station #615, 1625 Chestnut Avenue, Fresno, California  
(results in milligrams per Kilogram)

Sample Identification	Depth'	TPHg'	TPHd'	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE'
Tank #1 W End 15'	15	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Tank #1 E End 15'	15	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Tank #2 W End 16'	16	<1.0	NA'	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Tank #2 E End 16'	16	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.011
Tank #3 W End 16'	16	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Tank #3 E End 16'	16	4.6	NA	<0.0050	<0.0050	<0.0050	0.42	0.73
Tank #4 W End 16'	16	2.9	NA	0.012	0.024	<0.0050	0.023	3.4
Tank #4 W End 20'	20	2.8	NA	0.012	0.021	<0.0050	0.024	2.0
Tank #4 E End 16'	16	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
12' N of Tank 4 21'	21	53.2	NA	0.60	2.0	<0.20	1.0	81
New Ex. N End 16'	16	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
New Ex. S End 16'	16	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
D-1 5'	5	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.0098
D-2 5'	5	5,800	NA	26	379	140	870	33
D-2 10'	10	1,500	NA	2.2	140	42	380	66
D-3 5'	5	810	2,000	0.26	3.7	7.9	36	1.1
D-3 10'	10	430	4,800	0.44	2.1	5.7	42	1.0
D-4 5'	5	1,000	12,800	0.66	0.63	7.7	43	2.0
D-4 10'	10	840	9,900	<0.20	0.46	3.4	25	1.4
D-5 5'	5	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.013
D-6 5'	5	<1.0	NA	<0.0050	<0.0050	<0.0050	0.023	<0.0050
L-1 5'	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
L-2 5'	5	87	NA	<0.020	0.046	0.032	0.36	0.10
L-3 5'	5	660	NA	0.26	2.4	4.1	34	1.7
L-4 5'	5	310	NA	<0.20	0.30	1.3	12	2.4

VOC's  
82602

ND

Depth' = Approximate Depth of Sample Collection in Feet Below Grade.  
TPHg' = Total Petroleum Hydrocarbons as Gasoline.  
TPHd' = Total Petroleum Hydrocarbons as Diesel.  
MTBE' = Methyl-tertiary-butyl ether.  
NA' = Sample Not Analyzed for this Constituent.